

Express Terms

The Building Standards Commission, Department of Housing and Community Development, Office of the State Fire Marshal, Division of the State Architect, Office of Statewide Health Planning and Development, and State Library proposes to adopt the 2006 edition of the International Building Code of International Code Council for codification and effectiveness in the 2008 edition of the California Building Code as presented on the following pages, including any necessary amendments. The above identified state agencies further proposes to:

- Repeal the 1997 edition of the Uniform Building Code of the International Conference of Building Officials;
- Repeal amendments to model codes that are no longer necessary, repeal or amend building standards that are not addressed by a model code;
- Relocate or codify existing adopted and necessary amendments to the model code into the format of model code proposed for adoption the action of which has no regulatory effect, adopt new necessary amendments to the model code proposed for adoption; and/or
- Adopt new building standards that are not addressed by the model code proposed for adoption.

as presented in the following pages:

Chapter 9 Fire Protection Systems

Adopt and/or codify entire chapter un-amended, entire chapter as amended below, or only those provisions as shown and listed below:

| 2001 CBC | Proposed adoption | HCD | | SFM | BSC | DSA-SS | OSHPD | | | | SL | Comments |
|---------------------------|---|-----|---|-----|-----|--------|-------|---|---|---|----|---|
| | | 1 | 2 | | | | 1 | 2 | 3 | 4 | | |
| | Adopt entire chapter without amendments | | X | | | | | | | | | |
| | Adopt entire chapter with amendments listed below | † | | X | † | † | † | † | | † | | |
| | Adopt only those sections listed below | | | | | X | X | | | | X | |
| | 901.2 CA | | | X | | | | | | | | |
| | 901.5 CA | | | X | | | | | | | | |
| | 901.6.2 CA | | | X | | | | | | | | |
| 903-CA | 902 CA | | | X | | | | | | | X | Repeal and amend |
| 904.2.11, 902.11.1 – 4 CA | 903.2.1.6 et. seq. | | | | | | | | | | X | Relocate existing California building standards into the IBC format |
| 906-3 | | | | | | X | X | | | | | Repeal |
| | 903.2.12.1 CA | | | X | | | | | | | | |
| | 903.3.5 CA | | | X | | | | | | | | |

† indicates that the standards listed in the column for State Fire Marshal (SFM) apply.

REPEAL OF EXISTING AMENDMENTS AND/OR CALIFORNIA BUILDING STANDARDS NOT ADDRESSED BY MODEL CODES THAT ARE NO LONGER NECESSARY AS FOLLOWS:

2001 CBSC SECTION 903 – DEFINITIONS

[SFM, SL] ~~**Sprinkler Alarm** is a local alarm unit assembly or apparatus approved for the service and so constructed and installed that any flow of water from a sprinkler system equal to or greater than that from a single automatic sprinkler will result in an audible signal on the premise.~~ [ISOR]

[SFM, SL] ~~**Sprinkler System**, for fire-protection purposes, is an integrated system of underground and overhead piping designed in accordance with fire-protection engineering standards. The installation includes a water supply, such as a gravity tank, fire pump, reservoir or pressure tank and/or connection by underground piping to a city main. —The portion of the sprinkler system above ground is a network of specially sized or hydraulically designed piping installed in a building, structure or area, generally overhead, and to which sprinklers are connected in a systematic pattern. The system includes a controlling valve and a device for actuating alarm when the system is in operation. The system is usually activated by heat from a fire and discharges water over the fire area.~~ [ISOR]

Standpipe System is a wet or dry system of piping, valves, outlets and related equipment designed to provide water at specified pressures and installed exclusively for the fighting of fires, including the following:

[SFM, SL] Class I is a dry standpipe system without a directly connected water supply and equipped with 2-1/2 inch (63.5 mm) outlets for use by the fire department or trained personnel.

[SFM, SL] Class II is a wet standpipe system directly connected to a water supply and equipped with 1-1/2 inch (38.1 mm) outlets and hose intended for use by the building occupants.

[SFM, SL] Class III is a combination standpipe system directly connected to a water supply and equipped with both 1-1/2 inch (38.1 mm) outlets for use by the building occupants and 2-1/2 inch (63.5 mm) outlets for use by the fire department or trained personnel, or 2-1/2 inch (63.5 mm) and 1-1/2 inch (38.1 mm) outlets when a 1-1/2 inch (38.1 mm) hose is required. Hose connections for Class III systems may be made through 2-1/2 inch (63.5 mm) hose valves with easily removable 2-1/2 inch by 1-1/2 inch (63.5 mm by 38.1 mm) reducers.

—Exception: Outlets for use by the fire authority shall be of the size determined by the fire authority having jurisdiction. [ISOR]

Statutory Authority:
Statutory References:

Comment: While this CA amendment is not being repealed in its entirety, often times it is easier to repeal the text in its entirety for clarity and start new, and address the amendments in the Initial Statement of Reasons.

2001 CBC SECTION 906 – SMOKE AND HEAT VENTING

~~906.3 Types of Vents. Vents shall be fixed in the open position or vents shall be activated by temperature and shall open automatically in the event of fire.~~

—Fixed opening may consist of skylights or other openings that provide venting directly to exterior above the plane of the main roof in which they are located. Vents shall meet the design criteria of this section regarding elevation, and Section 906.5 regarding venting area, dimension, spacing and venting ratios. The building official [DSA/SS, OSHPD] the enforcing agency may require documentation of the design to ensure proper performance of required venting.... [ISOR]

Statutory Authority:
Statutory References:

AMENDMENTS:

SECTION 901 – GENERAL

901.2 Fire protection systems. Fire protection systems shall be installed in accordance with the California Fire Code. ~~operated and maintained in accordance with this code and the International Fire Code.~~

Comment: This illustrates a change in reference to California Fire Code for all applications, uses and occupancies in California.

901.5 Acceptance tests. Fire protection systems shall be tested in accordance with the requirements of this code and the ~~International Fire Code~~ California Fire Code. When required, the test shall be conducted in the presence of the building official. Tests required by this code, the California Fire Code, the ~~International Fire Code~~ and the standards listed in this code shall be conducted at the expense of the owner or owner's representative. It shall be unlawful to occupy portions of a structure until the required fire protection system within that portion of the structure have been tested and approved.

Comment: This model code text should be removed because the reference is to operation and maintenance, which is not a building standard for new construction, alterations and/or additions.

901.6 Supervisory service. ...

901.6.1 Automatic sprinkler systems. ...

901.6.2 Fire alarm systems. Fire alarm systems required by the provisions of Section 907.2 of this code and Section 907.2 of the ~~International Fire Code~~ California Fire Code shall be monitored by an approved supervising station in accordance with Section 907.14.

SECTION 902 – DEFINITIONS

[F] STANDPIPE SYSTEM, CLASS OF. Standpipe classes are as follows:

Class I system. A system providing 2.5-inch (64 mm) hose connections to supply water for use by fire departments and those trained in handling heavy fire streams. For applications listed in section regulated by the Office of the State Fire Marshal and libraries funded from the California Library Construction and Renovation Act of 1988, class I systems shall also be dry systems without a direct connection to water supply.

OR

A dry system without a direct connected water supply providing 2.5-inch (64 mm) hose connections to supply water for use by fire departments and those trained in handling heavy fire streams.

Comment: This is an amendment format if the requirement does not apply to all applications, uses and occupancies in California

Class II system. A system providing 1.5-inch (38 mm) hose stations to supply water for use primarily by the building occupants or by the fire department during initial response. For applications listed in section regulated by the Office of the State Fire Marshal and libraries funded from the California Library Construction and Renovation Act of 1988, class I system shall also be wet systems.

OR

A wet system providing 1.5-inch (38 mm) hose stations to supply water for use primarily by the building occupants or by the fire department during initial response.

Comment: This is an amendment format if the requirement applies to all applications, uses and occupancies in California

Class III system. A system providing 1.5-inch (38 mm) hose stations to supply water for use primarily by building occupants and 2.5-inch (64 mm) hose connections to supply a large volume of water for use by fire departments and those trained in handling heavy fire streams. For applications listed in section regulated by the Office of the State Fire Marshal and libraries funded from the California Library Construction and Renovation Act of 1988, class III systems shall also be combination systems.

Exception: Outlets for use by the fire authority enforcing the Office of the State Fire Marshal provisions shall be of the size determined by the fire authority having jurisdiction.

Comment: This is an amendment format if the requirement does not apply to all applications, uses and occupancies in California

Comment: This is an amendment format if the requirement applies to all applications, uses and occupancies in California

OR

Comment: This is an amendment format if the requirement does not apply to all applications, uses and occupancies in California

A combination system providing 1.5-inch (38 mm) hose stations to supply water for use primarily by building occupants and 2.5-inch (64 mm) hose connections to supply a large volume of water for use by fire departments and those trained in handling heavy fire streams.

Exception: Outlets for use by the fire authority shall be of the size determined by the fire authority having jurisdiction.

Statutory Authority:
Statutory References:

Comment: This is an amendment format if the requirement applies to all applications, uses and occupancies in California

SECTION 903 – AUTOMATIC FIRE SPRINKLER SYSTEMS

903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section.

903.2.1 Group A. ...

903.2.1.6 (904.2.11, 2001 CBC) Public Libraries. *Public Libraries funded from the California Library Construction and Renovation Act of 1988.*

903.2.1.6.1 (904.2.11.1, 2001 CBC) Fire Extinguishment. *Fire-extinguishment systems meeting the standards in Section 904.1.2 _____ and approved by the local fire authority shall be installed in:*

New facilities, including additions.

Existing facilities to which a project adds the lesser of 5,000 square feet (465 m²) or 10 percent of the size of the existing facility, if the existing facility does not already have a fire-extinguishing system meeting Section 904.1.2 _____ standards.

903.2.1.6.2 (904.11.2, 2001 CBC) Signaling Systems. *Fire-extinguishing systems installed in accordance with the proceeding subsections shall be connected to a remote protection signaling system conforming to NFPA 72.*

[F] 903.2.12 Other hazards. Automatic sprinkler protection shall be provided for hazards indicated in Sections 903.2.12.1 and 903.2.12.2.

[F] 903.2.12.1 Ducts conveying hazardous exhausts. When required by the ~~International Mechanical Code~~ *California Mechanical Code*, automatic sprinklers shall be provided in ducts conveying hazardous exhaust, or flammable or combustible materials.

Exception: Ducts in which the largest cross-sectional diameter of the duct is less than 10 inches (254 mm).

[F] 903.3.5 Water supplies. Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the ~~International Plumbing Code~~ *California Plumbing Code*.

SECTION 904 – ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS

[F] 904.2 Where required. ...
[F] 904.2.1

Statutory Authority:
Statutory References:

ILLUSTRATION ONLY